U.S. Department of Commerce Patent and Trademark Office Application No. Substitute Form PTO-1449 (Modified) Attornev's Docket No. 10/826,157 17481-003001 Information Disclosure Statement E Applicant Susan L. Lindquist et al. by Applicant (Use several sheets if necessary) MAR 1 3 2007 Filing Date Group Art Unit April 16, 2004 1633 (37 CFR §1.98(b))

U.S. Ratent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/M.M./	AA	2001/0006793	07/05/2001	Bjornsti et al.			. /
	AB	2002/0187157	12/12/2002	Jensen et al.			
	AC	2003/0022243	01/30/2003	Kondejewski et al.	,		
	AD	2005/0009019	01/13/2005	Van Lueven et al.			
	AE	5,547,841	08/20/1996	Marotta et al.			
	AF	5,643,562	07/01/1997	Kisilevsky et al.		X	
	AG	5,652,092	07/29/1997	Vitek et al.			
	AH	5,686,288	11/11/1997	MacDonald et al.			
	AI	5,693,757	12/02/1997	MacDonald et al.			
V	AJ	6,093,549	07/25/2000	Ross et al.			
/M.M./	AK	7,045,290	05/16/2006	Lindquist et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Translation	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
/M.M./	AL	WO 91/04339	04/04/1991	WIPO				
	AM	WO 91/05044	04/18/1991	WIPO				
	AN	WO 99/29891	06/17/1999	WIPO		$\sim$		
V	AO	WO 01/23412	04/05/2001	WIPO .				
/M.M./	AP	WO 05/005640	01/20/2005	WIPO				

	Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Desig. Initial ID Document						
/M.M./ AQ Adams et al., "Methods in Yes						
AR growth of cells at higher temperatures," Mol Cell Biol. 9:3919-3930, 1989.		Borkovich et al., "hsp82 is an essential protein that is required in higher concentrations for growth of cells at higher temperatures," Mol Cell Biol. 9:3919-3930, 1989.				
AS in stressed yeast cells," FEMS Microbiol Lett., 125:127-133, 1995.						
/M.M./ AT Burke et al., "Huntingtin and DRPLA prot Med. 2:347-350, 1996.		Burke et al., "Huntingtin and DRPLA proteins selectively interact with the enzyme GAPDH," Nat Med. 2:347-350, 1996.				

Examiner Signature Maria Marvich/	Date Considered 07/18/2008
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Tradernark Office		Attorney's Docket No. 17481-003001	Application No. 10/826,157
	closure Statement pplicant	Applicant Susan L. Lindquist et al.	
(Use several sheets if necessary)		Filing Date April 16, 2004	Group Art Unit 1633

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner		Desig.					
Initial		ID	Document  Chai et al., "Analysis of the role of heat shock protein (Hsp)molecular chaperones in polyglutamine				
/M.M./		ΑÙ	disease," J Neurosci., 19:10338-10347, 1999.				
AV		AV	Chai et al., "Evidence for proteasome involvement in polyglutamine disease: localization to nuclear inclusions in SCA3/MID and suppression of polyglutamine aggregation in vitro," Hum Mol Genet., 8:673-682, 1999.				
		AW	Chen and Hochstrasser, "Biogenesis, structure and function of the yeast 20S proteasome," Embo J., 14:2620-2630, 1995.				
		AX	Cummings et al., "Chaperone suppression of aggregation and altered subcellular proteasome localization imply protein misfolding in SCA1," Nat Genet., 19:148-154, 1998.				
		AY	DeMarini et al., "The yeast SEN3 gene encodes a regulatory subunit of the 26S proteasome complex required for ubiquitin-dependent protein degradation in vivo," Mol Cell Biol., 15:6311-6321, 1995.				
		AZ	Fearnley JM et al., Brain, 114:2283-2301, 1991.				
		AAA	Gething, Guidebook to molecular chaperones and protein folding catalysts. Oxford University Press, 1997.				
		ABB	Jana et al., "Polyglutamine length-dependent interaction of Hsp40 and Hsp70 family chaperones with trunacted N-terminal huntingins: their role in suppression of aggregation and cellular toxicity," Hum Mol Genet. 9(13):2002-2018. 2000.				
		ACC-	Kazantsev et al., "Insoluble detergent-resistant aggregates form between pathological and nonpathological lengths of polyglutamine in mammalian cells," Proc Natl Acad Sci U.S.A., 96: 11404-1409, 1999.				
		ADD	Kimura et al., "Role of the protein chaperone YDJ1 in establishing Hsp90-mediated signal transuction pathways," Science, 268:1362-1365, 1995.				
		AEE	Koo et al., "Amyloid diseases: Abnormal protein aggregation in neurodegeneration," PNAS 96:9989-9990, 1999.				
		AFF	Krobitsch and Lindquist, "Aggregation of huntingtin in yeast varies with the length of the polyglutamine expansion and the expression of chaperone proteins," Proc Natl Acad Sci U.S.A., 97(4):1589-1594, 2000.				
	Masison et al. "Prion-in containing cells," Trend		Massison et al. "Prion-inducing domain of yeast Ure2p and protease resistance of Ure2p in prion- containing cells," Trends in Genetics, Elsevier Science Publishers, B.V. Amsterdam, NL, 12:14, 1996.				
		АНН	Moore et al., "Triplet repeats form secondary structures that escape DNA repair in yeast," Proc. Natl. Acad. Sci. U.S.A., 96:1504-1509, 1999.				
AII Muchowski et al., "Hsp70 ar		AII	Muchowski et al., "Hsp70 and Hsp40 chaperones can inhibit self-assembly of polyglutamine proteins into amyloid-like fibrils," Proc. Natl. Acad. Sci. USA, 97:7841-7846, 2000.				
	AJJ Mumberg et al., "Regulatable promoters of Saccharmoyce cerevisiae: comparison of transcrip activity and their use for heterologous expression," Nucleic Acids Res. 22:5767-5768, 1994.		Mumberg et al., "Regulatable promoters of Saccharmoyce cerevisiae: comparison of transcriptional activity and their use for heterologous expression," Nucleic Acids Res. 22:5767-5768, 1994.				
		AKK	Mumberg et al., "Yeast vectors for the controlled expression of heterolgous proteins in different genetic backgrounds." Gene. 156:119-122, 1995.				
	/	ALL	Nathan and Lindquist, "Mutational analysis of HspPO function: interactions with a steroid receptor and a protein kinase," Mol Cell Biol. 15:3917-3925, 1995.				
/M.	M./	AMM	Nathan et al., "Identification of SSFI, CNSI, and HCHI as multicopy suppressors of a Saccharomyces cerevisiae Hsp90 loss-of-function mutation," Proc. Natl. Acad. Sci. U.S.A. 96:1490-1414, 1999.				
Examiner Signature			Date Considered 07/18/2008				

Examiner Signature /Maria Marvich/ EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17481-003001	Application No. 10/826,157
	closure Statement	Applicant Susan L. Lindquist et al.	
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 16, 2004	Group Art Unit 1633

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner	Desig.						
Initial	ID.	Document					
/M.M./	ANN	Neystat et al., "Analysis of Synphilion-1 and Synuclein Interactions by Yeast Two-Hybrid β-Galactosidase Liquid Assay," Neuroscience Letters, Vol. 325, 2002, pp. 119-123.					
	A00	Parsell and Lindquist, "The function of heat-shock proteins in stress tolerance: degradation and reactivation of damaged proteins," Annu. Rev. Genet. 27:437-496, 1993.					
	APP	Parsell et al., "Protein disaggregation mediated by heat-shock protein Hsp104," Nature. 372:475-478, 1994.					
	AQQ	Parsell et al., "Saccharomyces cerevisiae Hsp104 protein," J. Biol. Chem. 269(6):4480-4487, 1994.					
	ARR	Petko et al., "Hsp26 is not required for growth at high temperatures, nor for thermotolerance, spore development, or germination," Cell., 45:885-894, 1986.					
	ASS	Saudou et al., "Huntingtin acts in the nucleus to induce apoptosis but death does not correlate with the formation of intranuclear inclusions," Cell., 95:55-66, 1998.					
	ATT	Schweitzer et al., "Destabilization of CAG trinucleotide repeat tracts by mismatch repair mutations in yeast," Hum Mol Genet. 6:349-355, 1997.					
	AUU	Spillantini MG et al., Nature, 388:839-40, 1997.					
		Stenoien et al., "Polyglutamine-expanded androgen receptors form aggregates that sequester heat shock proteins, proteasome components and SRC-1, and are suppressed by the HDJ-2 chaperone," Hum Mol Genet, 8:731-741, 1999.					
	AWW	Stone and Craig, "Self-regulation of 70-kilodalton heat shock proteins in Saccharomyces cerevisiae," Mol Cell Biol., 10:1622-1632, 1990.					
AXX		Tanaka et al., "Inducible Expression of Mutant α-Synuclein Decreases Proteasome Activity and Increases Sensitivity to Mitochondria-Dependent Apoptosis," Human Molecular Genetics, 2001, Vol. 10, No. 9, pp. 919-926.					
	AYY	Temussi et al., "From Alzheimer's to Huntington: why is a structural understanding so difficult," EMBO Journal 22(3):355-361, 2003.					
	AZZ	Tuite et al., "Maintenance and inheritance of yeast prions," Trends in Genetics, Elsevier Science Publishers, B.V. Amsterdam, NL, 12:467-471, 1996.					
V	АААА	Vogel et al., "Heat-shock proteins Hsp104 and Hsp70 reactivate mRNA splicing after heat inactivation," Current Biology, 5:306-317, 1995.					
/M.M./	ABBB	Vonsattel et al., "Neuropathological classification of huntington's disease," J Neuropathol Exp					

30330288.doc

Examiner Signature /Maria Marvich/	Date Considered 07/18/2008
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant	t in conformance and not considered. Include copy of this form with